Yorkshire Dales National Park

Forecast valid from 00:00 on Sunday 14 Feb 2021 until 23:59 on Monday 15 Feb 2021

Forecast Issued on Saturday 13 Feb 2021 at 13:31

Confidence: High for turning milder and remaining unsettled through the period, but lowering confidence in the timing and extend of the worst of the conditions for next week.

Headline for Sunday 14 Feb 2021: Unsettled with bands of snow then rain crossing the area. Risk storm force winds across higher summits. Dangerous conditions with extensive drifting and severe wind chill, then quite extensive hill fog.

Mountain weather hazards on Sunday 14 Feb 2021

Blizzards Low Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light snow	Light snow	Light snow	Light snow	Heavy snow	Light rain	Heavy Rain	Light rain
Precipitation probability							
30%	50%	30%	30%	70%	70%	80%	80%

Forecast for Sunday 14 Feb 2021

Weather: A cloudy and unsettled day of change. Patchy light snow and perhaps freezing rain through to mid-morning. Heavier area of snow and rain crossing from the west from late morning, which turns to rain at all levels from around mid-afternoon, with outbreaks becoming patchy and light again for the evening.

Chance of cloud free mountain/hill tops above 600m: 80% at first becoming 30% from late morning.

Visibility: Generally a handful of kilometres in snow and rain, less in heavier snow and cloud with bases becoming extensive from 500-700m from late morning.

Forecast for Sunday 14 Feb 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	22/33 SE	21/32 SE	23/33 SE	26/37 SE	29/42 S	29/42 S	31/46 S	23/36 S	17/28 S
300	12/27 SE	13/29 SE	14/31 SE	18/37 SE	20/42 SE	20/42 S	19/40 S	15/32 S	9/22 S
Valley	13/27 SE	14/28 E	9/23 E	16/38 SE	18/43 SE	19/43 S	18/41 S	14/32 S	10/24 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-5/-14	-4/-12	-4/-12	-3/-11	-0/-8	1/-7	2/-6	3/-4	3/-2
300	-2/-8	-1/-7	-0/-6	0/-6	2/-4	3/-3	3/-2	4/-1	4/1
Valley	-0/-6	1/-5	1/-2	2/-3	4/-1	5/-0	5/1	6/2	6/3
Freezing Level*	00m	00m	00m	100m	600m	1900m	1900m	1500m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Dangerous conditions at first with blizzards and extensive drifting of lying snow and severe wind chill at height, with gusts reaching 70mph at times across most exposed ridges and summits. Also later with the hill fog becoming extensive from late morning.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sat 13 Feb 2021	0mm	0mm	0mm

Forecast for Monday 15 Feb 2021

Weather: Rather cloudy with patchy outbreaks of rain crossing sporadically from the west.

Maximum wind: South or southwest mean 15-20mph with gusts reaching 30-35mph across most exposed ridges and summits.

Chance of cloud free mountain/hill tops above 600m: 40%

Visibility: Moderate or good, lowering to a few kilometres in rain, less in cloud with bases quite extensive from 500-700m.

Temperature: **Valleys:** Minus 2 Celsius rising 10 Celsius during the afternoon
At 600m: Plus 3-5 Celsius
Freezing level: Above summits